Increase in power generation

†2885. DR. ABRAR AHMED : Will the Minister of POWER be pleased to state :

(a) the quantum of increase in power generation in the country from March, 2000 to February, 2003 together with the State-wise details thereof;

(b) the power projects pending at present together with the reasons therefor and by when these will be completed; and

(c) the gap between the demand and generation of power at present and by when it will be bridged?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA) : (a) State-wise details of increase/ decrease in power generation in the country from March, 2000 to February, 2003 is given in the Statement-I. (*See* below).

(b) Details of thermal and hydro projects to be commissioned during 10th Plan is given in State-II & III. (*See* below).

(c) During 2002-03 the energy requirement in the country was 545674 MUs against which availability was 497589 MUs, which represents a short fall of 8.8%. The target of the Ministry of Power is to make available power on demand by year 2012.

Statement I

State-wise details of Actual General (MU) during the months of March 2000 and February 2003.

Name of State/Utility	March, 2000	Feb., 2003	% Increase
1	2	3	4
BBMB	771	452	-41.4
Delhi	708	720	1.7
J&K	406	198	-51.2
H. Pradesh	255	140	-45.1
Haryana	530	683	28.9
Rajasthan	1361	1780	30.8
Punjab	1294	1052	-18.7
U.P.	6546	5685	-13.2
Uttaranchal	-	160	-
Gujarat	4023	3838	-4.6
Maharashtra	5943	5162	-13.1
M.P.	4630	2422	-47.7
Chhattisgarh	-	1969	-

†Original notice of the question was received in Hindi.

1	2	3	4
A.Pradesh	4670	4617	-1.1
Karnataka	2049	2009	-2.0
Kerala	844	646	-23.5
T.Nadu	3882	4000	4.4
Pondichary	21	20	-4.8
Bihar	707	408	-42.3
Jharkhand	-	211	-
Orissa	1545	1235	-20.1
W. Bengal	2238	2517	12.5
DVC	807	701	-13.1
Sikkim	18	17	-5.6
Assam	76	79	3.9
Neepco	211	226	7.1
Meghalaya	44	27	-36.6
Tripura	23	32	39.1
Manipur	42	42	0.0
Nagaland	-	0	-
Arunachal Pradesh	2	1	-50.0
TOTAL ALL INDIA:	43596	41049	-5.8
Type	March, 2000	Feb., 2003	% Increase
Thermal	35924	36051	0.4
Nuclear	1258	1527	21.4
Hydro	6414	3471	-45.9
ALL INDIA:	43596	41049	-5.8

1. The decline in the quantum of power generation during March, 2000 and Feb., 2003 can be broadly attributed to the following :

1.1 The thermal general is 0.4% more than the generation of March, 2000.

1.2 The nuclear generaion is 21.4% more than the March, 2000.

1.3 The hydro generation is 45.9% less than March, 2000 Which has contributed to the All India decline of (-) 5.8%. The lower hydro generation is due to drought condition in most parts of the country.

1.4 The maintenance of thermal units was postponed and rescheduled to enhance thermal generation during drought conditions and to reschedule the maintenance of these units in the subsequent months.

1.5 The number of days for March, 2000 is more by about 10% compare to Feb., 2003.

Statement-II

Details of Power Projects pending at Present togetherwith the Reasons therefor.

Sector State	*Project Name*	*Impl. Agency*	*Unit*	*Cap.*	*Comm. Schedule Target*	*Act./Ant.*	*Remarks/ Brief Status*
1	2	3	4	5	6		7
A. PROJECTS WHERE CONSTRUCTION WORK HAS STARTED							
Central Sector							
AP	Ramagundem STPS-III	NTPC	U-7	500	Aug-2005	Aug-2005	Under construction
MP	Vindhyachal TPS-III		U-09	500	Aug-2006	Jul-2006	Order for 2X500 MW units placed on BHEL in 3/03
Orissa	Talcher STPS-II		U-4	500	Aug-2004	Dec-2003	Under construction
			U-5	500	May-2005	Sep-2004	Under construction
			U-6	500	Feb-2006	Mar-2005	Under construction
TN	Neyveli TPS-I Exp.	NLC	U-2	210	Dec-2002	Jul-2003	Under construction
UP	Rihand STPS-II	NTPC	U-3	500	Aug-2005	Aug-2005	Under construction
			U-4	500	May-2006	May-2006	
WB	Mejia TPS Extn.-4	DVC	U-4	210	Jul-2004	Jul-2004	Under construction
			Sub-Total :	***3920.0***			

1	2	3	4	5	6	7	
State Sector							
Gujarat	Akrimota TPP	GMDCL	U-1	125	Mar-2003	Jun-2004	Under Construction—Delay in supply of material handling equipment by due to dispute with Elecon and matter sub-judice in Gujarat High Court.
			U-2	125	May-2003	Sep-2004	
	Dhuvaran CCPP	GSECL	GT	67.85	April-2003	Apr-2003	Under construction
			ST	38.767	Jun-2003	Jun-2003	
Haryana	TDL (Panipat) TPS	HPGCL	U-7	250	Sep-2004	Sep-2004	Under construction
			U-8	250	Jan-2005	Jan-2005	
Mizoram	Bairabi DGPP	Powe. Deptt Govt. of Mizoram	DGs	22.92	Jul-2003	Jan-2004	Order placed on BHEL
MP	Birsingpur TPS Extn.	MPEB	U-1	500	Sep-2006	Sep-2006	Order for EPC contract placed on BHEL in 3/03.
Rajasthan	Kota TPS-IV	RRVUNL	U-6	195	Jul-2003	Jul-2003	Under construction
	Suratgarh TPS-III		U-5	250	Jun-2003	Jun-2003	Under construction
TN	Kuttalam CCPP	TNEB	GT	64	Sep-2003	Sep-2003	Under construction
			ST	36	Oct-2003	Oct-2003	
UP MOEF	Panchha TPS Extn.	UPRVUNL	U-1	210	Sep-2006	Jan-2005	Under construction, MOEF Clearance awaited. LOI paced on BHEL.
		Sub-Total :		***2134.5***			

Statement

Details of Power Projects pending at Present togetherwith the Reasons therefor.

1	2	3		4	5	6	7
Private Sector							
AP	Ramagundem TPP	BPL Power Project	U-1	260	May-2005	May-2005	Foundation work has been completed for various equipments. Modified PPA to be executed between APGENCO and BPL.
			U-2	260	Dec-2005	Dec-2005	Alternate security mechanism to be finalised.
Mah.	Dabhol CCPP-II	Dabhol Power Co.	GTs	916	Mar-2003	Sep-2004	CEA has submitted for approval of MOP for declaring the capacity of 4 GTs (916 MW) as commissioned.
			STs	528		Sep-2004	
			Sub-Total :	***1964.0***			
			Total :	***8018.54***			

1	2	3	4	5	6
B. PROJECTS WHERE CONSTRUCTION WORK HAS NOT YET STARTED					
Central Sector					
Bihar	Barh STPP	NTPC	U-1	660	Dec 2006	Bid opening in 6/03, investment decision awaited—slipping from 10th Plan.

1	2	3		4	5	6	7
	Kahalgaon STPS-II		U-5	660	Mar-2007	Sep-2007	TEC for revised unit size (2x500 MW) to be issued. Bid (ICB) opening by 4/03, order by 7/03.
Chhattis-garh	Sipat STPP-I	U-1	660	Mar-2006			Bid opening by 6/03 for U-1 & U-2.
			U-2	660	Dec-2006		Both the units are slipping from 10th Plan.
	Sipat STPS-II		U-4	660	Mar-2007		Investment decision awaited. Slipping from 10th Plan.
TN	Neyveli TPS-II Exp.	NLCs	U-1	250	May-2006	Dec-2006	Investment decision awaited.
			U-2	250	Sep-2006	Mar-2007	
Tripura	Monarchak CCPP	NEEPCO	GTs+ST	500	Dec-2006	Dec-2006	Project capacity revised from 500 MW to 280 MW due to limited gas availability.
			Sub-Total : 2055.6				
			Total 8953.60				
C. PROJECTS YET TO BE CLEARED BY CEA/STATE GOVT.							
Central Sector							
Bihar	Maithon RBC TPP	DVC	U-1	250	Jun-2006	Dec-2006	TEC held up due to pending inputs:
			U-2	250	Sep-2006	Mar-2007	Revalidation of fuel linkage and receipt of revised DPR

			U-3	250	Dec-2006		Two units likely to slip from 10th Plan.
			U-4	250	Mar-2007		
	North K Pura TPP	NTPC	U-1	660	Mar-2007		TEC held up due to pending inputs: Clearance from Jharkhand govt. for drawal of water and construction of dam and clerance from CWC & MOEF. Slipping from 10thPlan.
Rajasthan	Barsingsar Lignite TPP	NLC	U-1&2	250	Dec-2006		Investment approval awaited. Likely to slip from 10th Plan.
UP	Dadri TPS-II	NTPC	U-1	490	Mar-2007		No action so far, not likely in 10th Plan.
	Unchahar TPS-III		U-5	210	Dec-2006	Dec-2006	To be cleared by NTPC Board.
WB	Chandarpura TPS Extn.	DVC	U-7	250	Jun-2006	Jun-2006	TEA held up due to pending inputs:
			U-8	250	Dec-2006	Dec-2006	Water availability, tie-up of funds from PFC.

Sub-Total : 3110.0

State Sector

1	2	3	4	5	6		
Chhattis-garh	Korba East TPP	CSEB	U-1	420	Jan-2007	Jan-2007	TEC held up due to pending inputs-SPCB/MOEF Clearances, land availability for ash disposal and water clearance.
Jharkhand	Tenughat TPS-II	TVNL	U-3	210	Sep-2006		Sanction of captive coalmines awaited, funding to be tied up, TEC to be revalidated.
Karnataka	Bellary TPP	KPCL	U-1	500	Mar-2006	Mar-2006	KPCL is in negotiation with BHEL for main plant order. Decision to be expedited.
Meghalaya	Byrnihat DGPP	govt. of Meghalaya	DGs	24	Jan-2005	Jan-2005	To be cleared by State Govt.
Meghalaya	Mendipathar DGPP	govt. of Meghalaya	DGs	24	Mar-2005	Mar-2005	To be cleared by State Govt.
Pondicherry	Karaikal CCPP	PPCL	GT+ST	100	Mar-2006		DPR not received, Gas linkage not firmed up -slipping from 10th Plan.
WB	Sagardhighi TPP	WBPDCL	U-1	250	Sep-2006	Sep-2006	To be cleared by State Govt. MOEF clearance awaited.
			Sub-total :1528.0				
Private Sector							
AP	Gautami CCPP	Gautami Power Ltd.	GTs+ST	464	Jun-2006	Jun-2006	APERC had asked IPPs to absorb additional cost

							of Naphtha which is not acceptable to them. Approval of Approval of APERCE for revised PPA awaited.
	Jegrupadu CCPP Extn.	GVK Industries	GT+ST	230	Dec-2005	Dec-2005	APERC had asked IPPs to absorb additional cost of Naphtha which is not acceptable to them. Approval of APERC for revised PPA awaited.
	Konaseema CCPP	Konaseema EPS OPL	GT+ST	445	Mar-2005	Mar-2006	APERC had asked IPPs to absorb additional cost of Naphtha which is not acceptable to them. Approval of APERC for revised PPA awaited.
Bihar	Bihta TPP	—	U-1	135	Dec-2006		No action so far-slipping from 10th Plan.
Jharkhand	Jojobera TPP	Tata Electric Co.	U-1	120	Mar-2006		To be cleared by State Govt. Likely to slip from 10th Plan.
Karnataka	Hassan CCPP	Hassan Power Co.	GT+ST	189	Mar-2006	Mar-2006	Project to be cleared by KERC. LNG is now proposed as fuel in place of Naphtha. LNG supply is to be tied UP.

Sub-Total :1583.0

Total 6221.00

Total (Balance 10th Plan): 23193.14

Statement-III

Approved H.E. Projects for commissioning during 10th Plan (2002-07)

(Excluding Renewables under MNES)

ID No.	Name of Project	State	Capacity (MW)	CCEA/ Investment Decision	Benefits During 10th Plan (MW)	Benefit year in Plan	Latest Comm. Sch./ Actual
1	2	3	4	5	6	7	8
	CENTRAL SECTOR						
1.	Dhauliganga St. I (NHPC)	Uttaranchal	4x70	08.04.91	280.00	2004-05	2004-05
2.	Chamera-II (NHPC)	H.P.	3x100	18.05.99	300.00	2004-05	2003-04
3.	Dulhasti (NHPC)	J&K	3x130	12.07.89	390.00	2003-04	2003-04
4.	Teesta-V (NHDC)	Sikkim	3x170	11.02.2000	510.00	2006.07	2006-07
5.	Indira Sagar (NHDC)	M.P.	8x125	06.09.89	1000.00	2003-06	2003-06
6.	Purulia PSS (JV)	W.B.	4x225	09.02.94	900.00	2006-07	2006-07
7.	Nathpa Jhakri (NJPC)	H.P.	6x250	05.04.89	1500.00	2003-04	2003-04
8.	Tehri St. I (THDC)	Uttaranchal	4x250	15.03.94	1000.00	2002-04	2003-04
9.	Koteshwar (THDC)	Uttaranchal	4x100	10.04.2000	400.00	2005-06	2005-06
10.	Kopili Extn.II (NEEPCO)	Assam	1x25	27.07.99	25.00	2003-04	2003-04
11.	Tuirial (NEEPCO)	Mizoram	2x30	07.07.98	60.00	2006-07	2006-07
	SUB-TOTAL (CENTRAL SECTOR): 11 Schemes				**6365.00**		

12.	Iarji	H.P.	3x42	14.01.2000	126.00	2004-05	2004-05
13.	Kashang	H.P.	2x33	11/01	66.00	2006-07	2006-07
14.	Baglihar	J&K	3x150	01/1998	450.00	2004-05	2004-05
15.	Shahpurkandi	Punjab	2x2x40+1x8	05.07.93	168.00	2006-07	2006-07
16.	Maneri bhali-II	Uttaranchal	4x76	27.01.81	304.00	2005-06	2005-06
		Sub-total (NR) : 5 Schemes			**1114.00**		
	Western Region						
17.	Sardar Sarovar	Gujarat	6x200+5x50	05.10.88	1350.00	2002-07	2004-07
18.	Madhikheda	M.P.	2x20	11.05.2001	40.00	2004-05	2004-05
19.	Bansagar Tons PH IV	M.P.	2x10	31.07.92	20.00	2004-05	2004-05
20.	Ghatghar PSS	Maharashtra	2x125	11.08.92	250.00	2004-05	2004-05
		Sub-total (WR) : 4 Schemes			**1660.00**		
	Southern Region						
21.	Priyadarshni Jurala	A.P.	6x39.1	24.05.02	78.20	2006-07	2006-07
22.	Srisailam LBPH	A.P.	6x150	01.09.86	150.00	2002-04	2003-04
23.	Almati Dam	Karnataka	1x15+5x55	08.03.02	290.00	2004-06	2004-06

1	2	3	4	5	6	7	8
24.	Kuttiyadi Aug.	Kerala	2x50	15.07.97	100.00	2006-07	2006-07
25.	Pykara Ultimate	T.N.	3x50	01.08.88	150.00	2003-04	2003-04
26.	Bhawani kattlai Barrage	T.N.	3x2x15	07.01.97	90.00	2004-06	2004-06
		Sub-total (SR) : 6 Schemes			**858.20**		
	Eastern Region						
27.	Balimela Extn.	Orissa	2x75	18.03.92	150.00	2005-07	2005-07
		Sub-Total (ER) : 1 Scheme			**150.00**		
	North-Eastern Region						
28.	Karbi Langpi (Lower Borpani)	Assam	2x50	24.09.79	100.00	2004-05	2004-05
		Sub-total (NER) : 1 Schemes			**100.00**		
	SUB-TOTAL (STATE SECTOR) : 18 Schemes				**3882.20**		
	PRIVATE SECTOR						
29.	Baspa II	H.P.	3x100	29.04.94	100.00	2003-04	2003-04
30.	Dhamvari Sunda	H.P.	2x35	06.07.01	70.00	2006-07	2006-07
31.	Vishnu Prayag	Uttaranchal	4x100	30.06.97	400.00	2006-07	2006-07
32.	Maheshwar	M.P.	10x40	30.12.96	400.00	2005-07	2005-07
	SUB-TOTAL (PRIVATE SECTOR) 4 Schemes				**970.00**		
	TOTAL-32 SCHEMES :				**11217.20**		